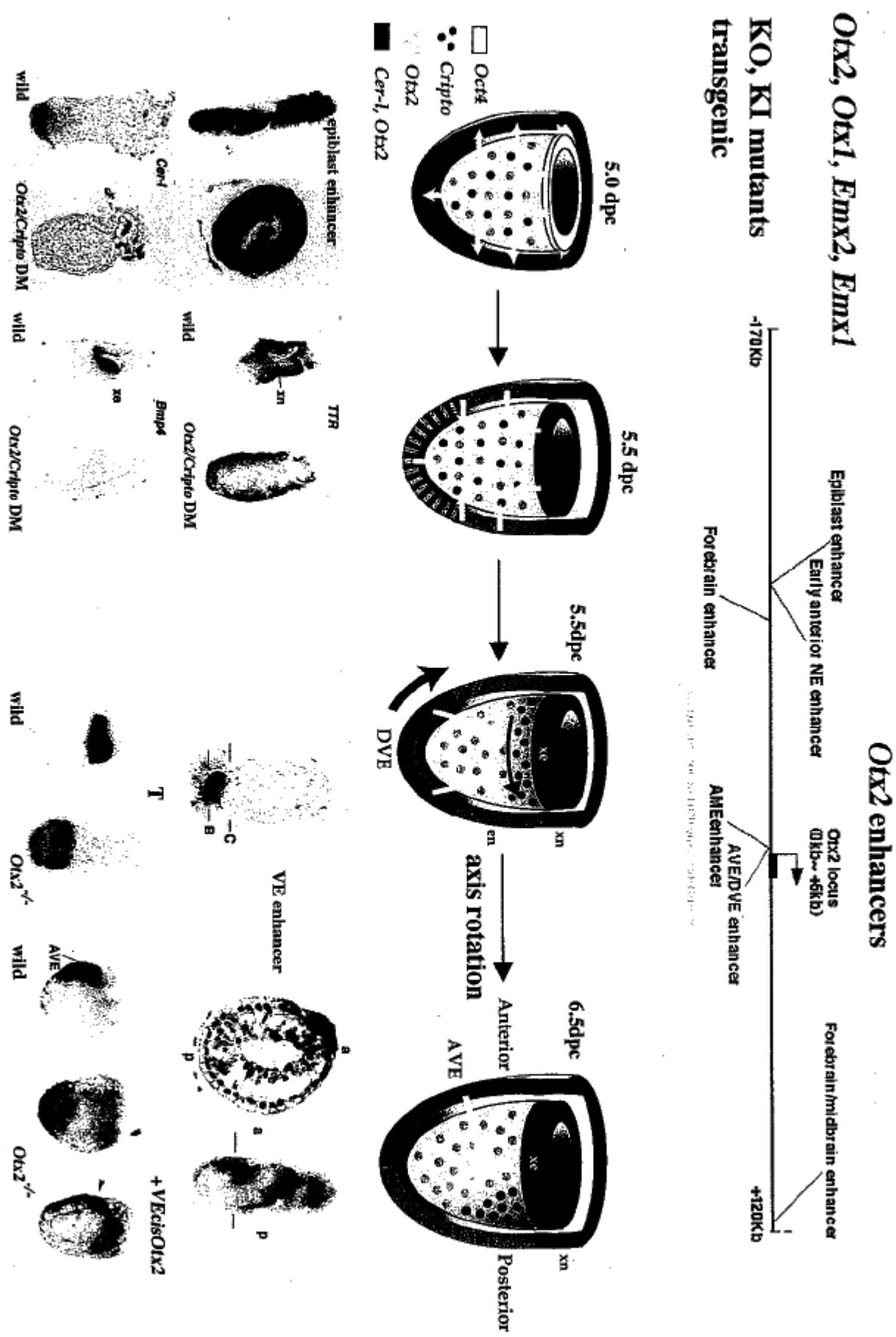


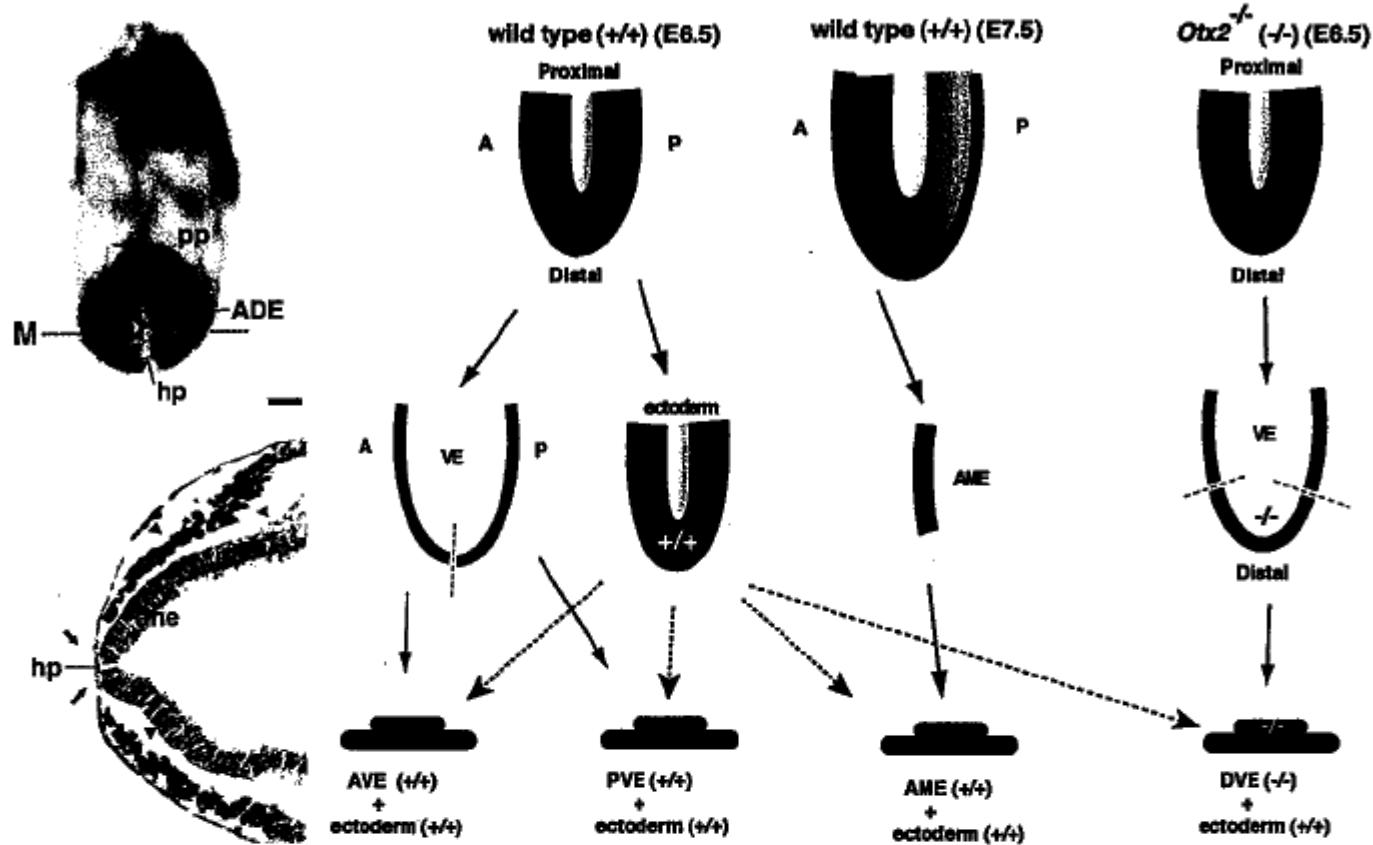
图 1



—

anterior mesendoderm
enhancer: 7.5 dpc

Coculture Exp.



Two step model for anteroposterior neuroectoderm induction

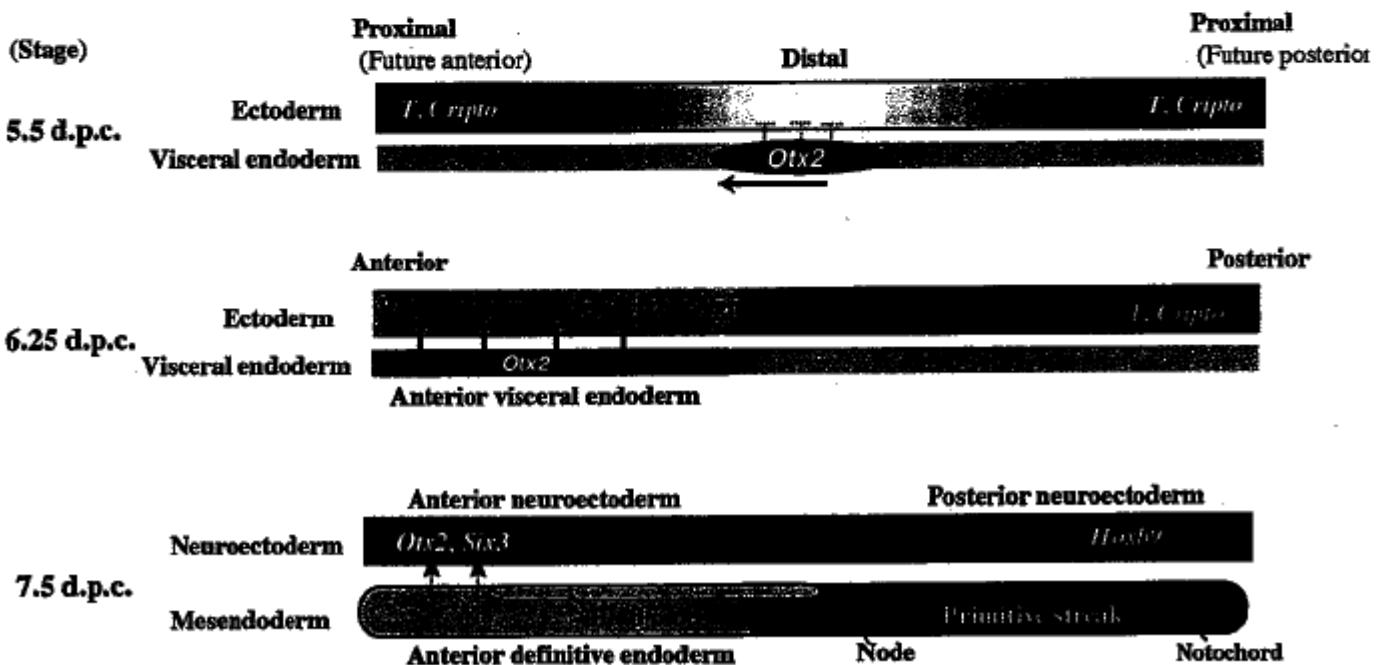


图 3

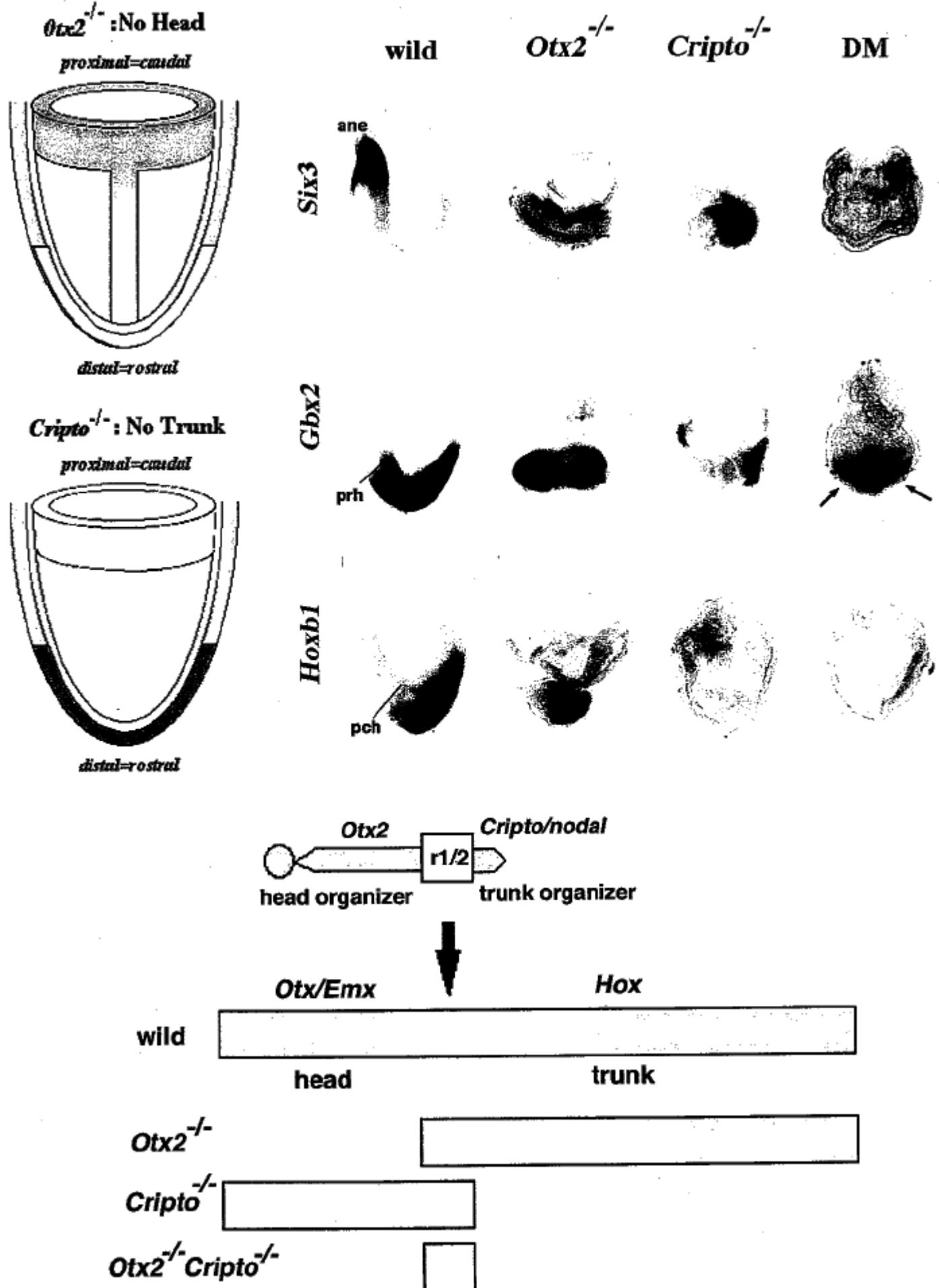


图 4

9.5 dpc
Emx2



7.75 dpc
Fkh2



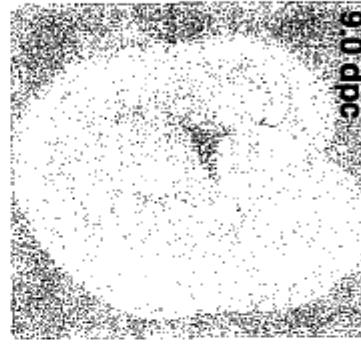
anterior neuroectoderm
enhancer



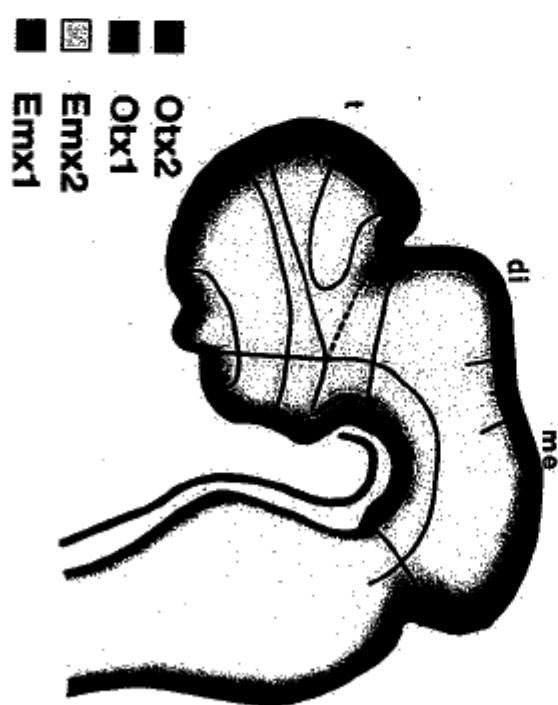
wild



mutant



9.5dpc



Otx1 $^{+/-}$ *Otx2* $^{+/-}$

wild type

Emx2 $^{+/-}$ *Otx2* $^{+/-}$

		NCX				ACK				Zbh				HPT				PC				POS									
		DT		VT		D		M		H		T		I		R		G		H		M		S		H		I		J	
		HT		SPV		O		MA		RM		TG		TG		TG		TG		TG		TG		TG		TG		TG			
		P4	P3	P2	P1																										

Emx2 $^{-/-}$ *Otx2* $^{+/-}$

		NCX				ACK				Zbh				HPT				PC				POS									
		DT		VT		D		M		H		T		I		R		G		H		M		S		H		I		J	
		HT		SPV		O		MA		RM		TG		TG		TG		TG		TG		TG		TG		TG		TG			
		P4	P3	P2	P1																										

Otx1 $^{+/-}$ *Otx2* $^{+/-}$

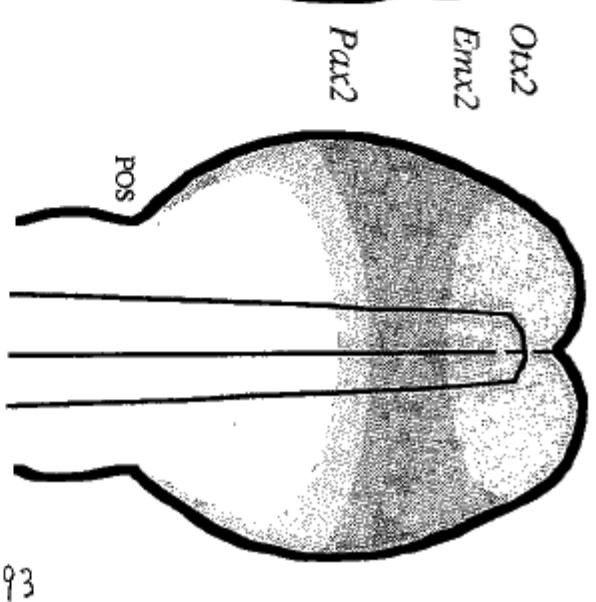
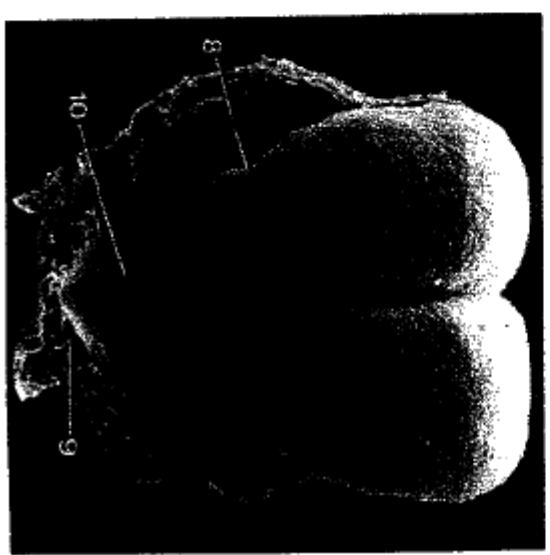
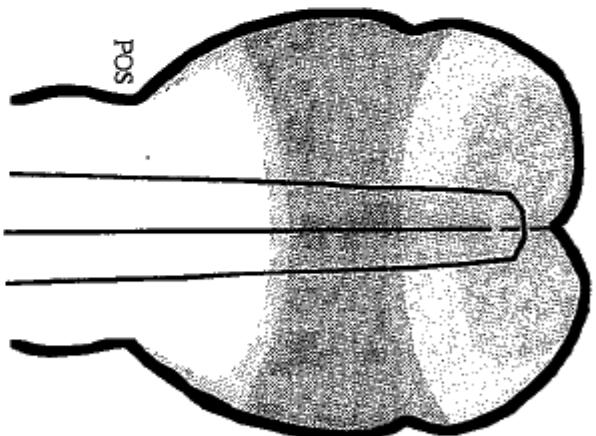
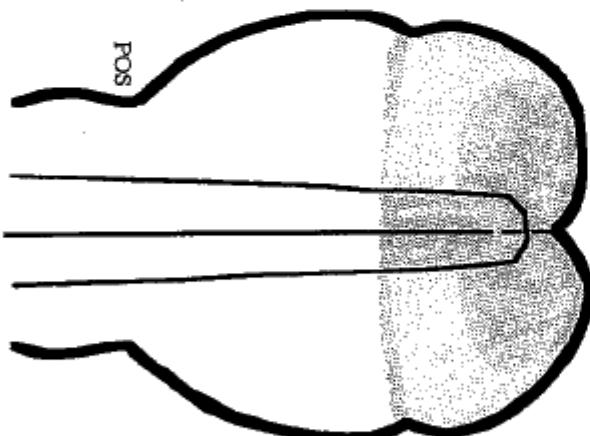
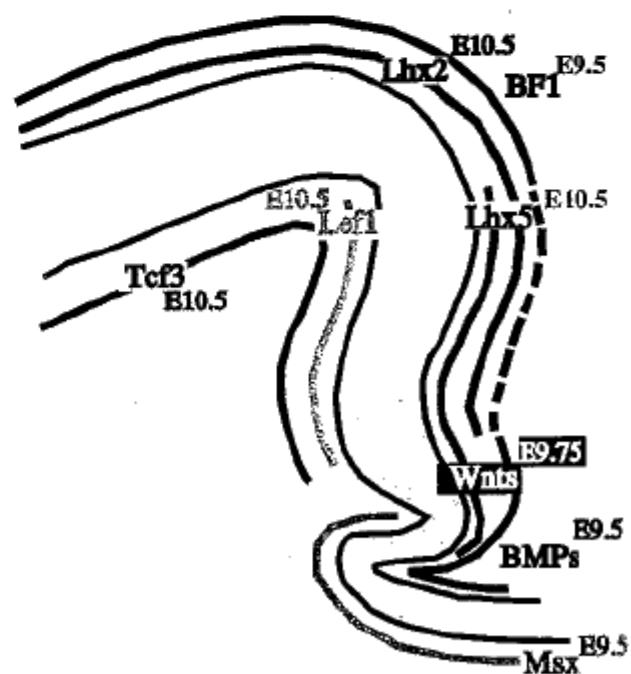
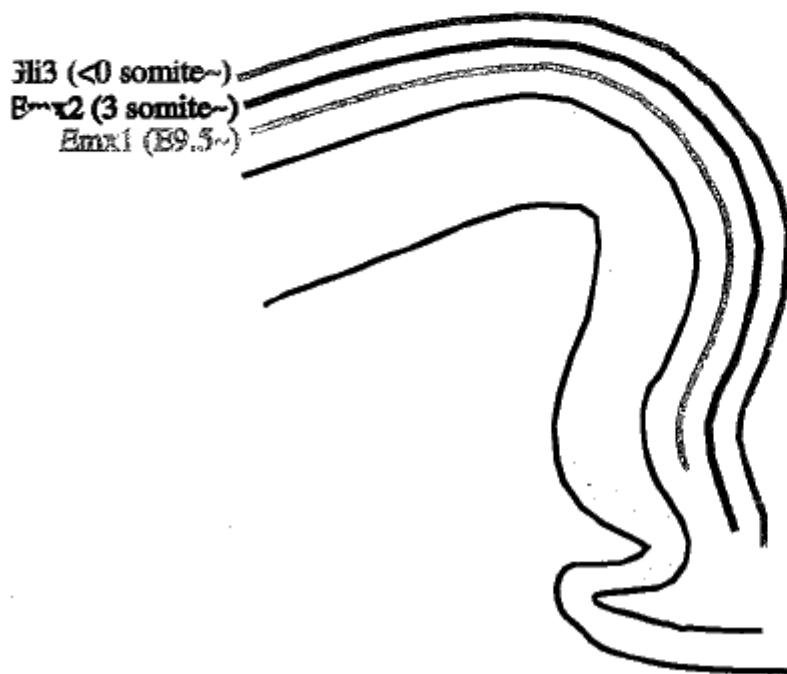
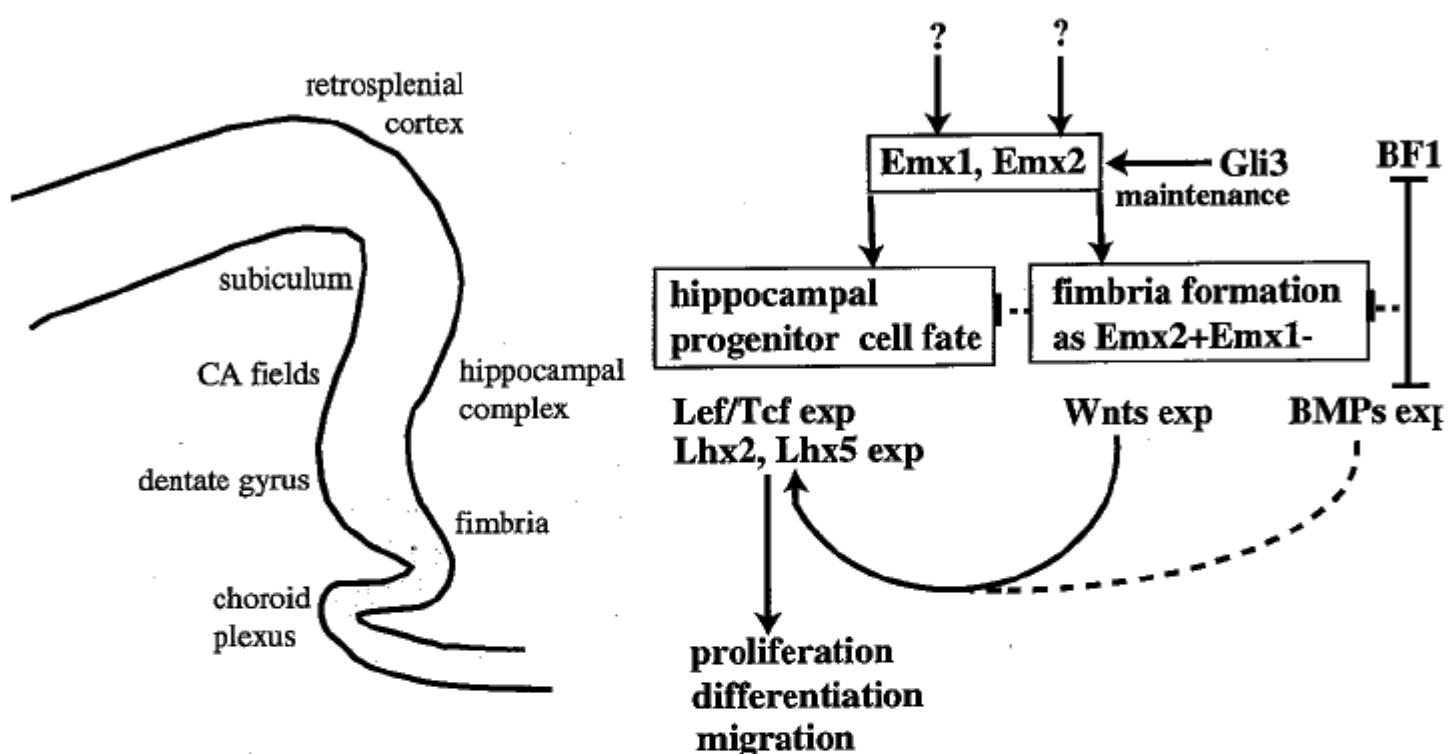


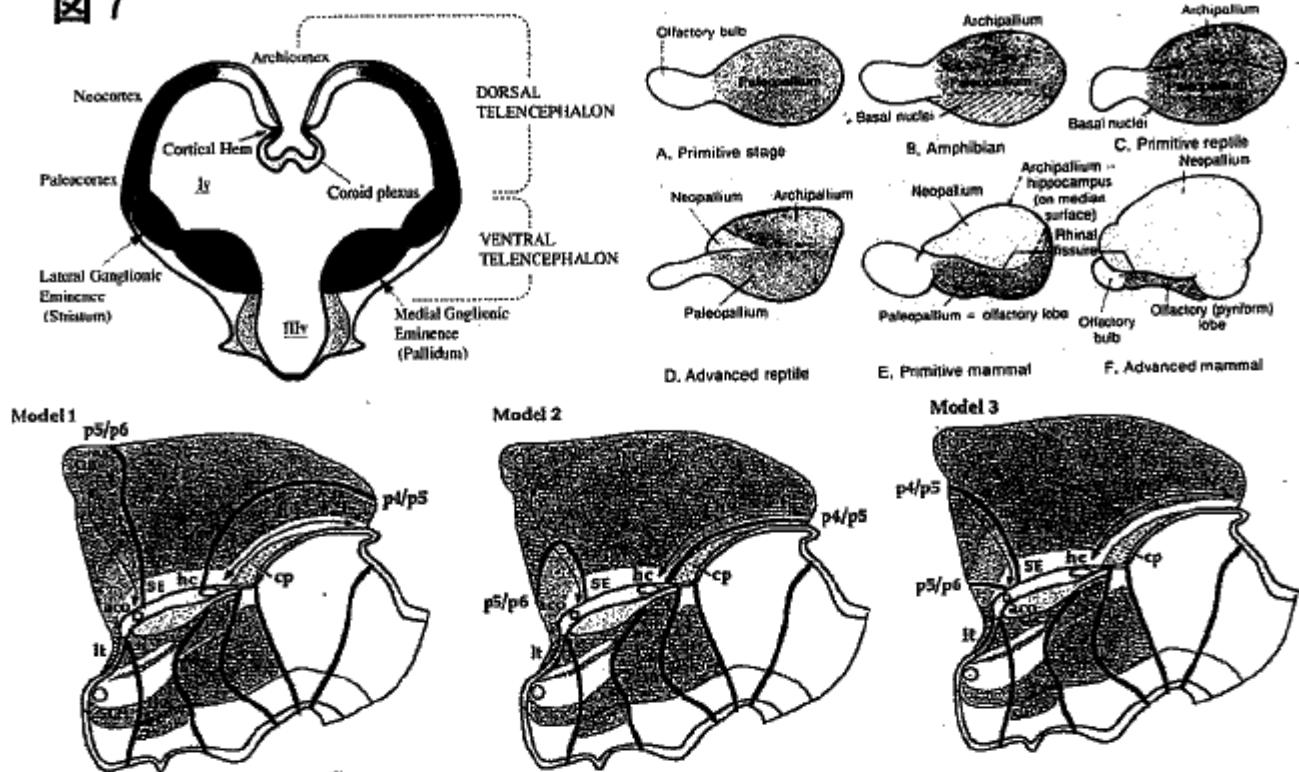
図 6
Emx2/Otx2 → territory for archipallium and diencephalon at 3 somite stage (E8.0)

Emx2/Otx1 → ?

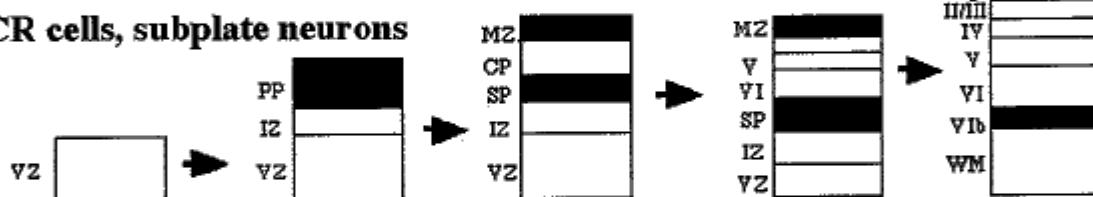
Emx1/Emx2 → progenitor cell fate for archipallium at E9.5



7



PP: CR cells, subplate neurons



wild $Emx2^{-/-}$ $Emx1^{-/-} Emx2^{-/-}$

